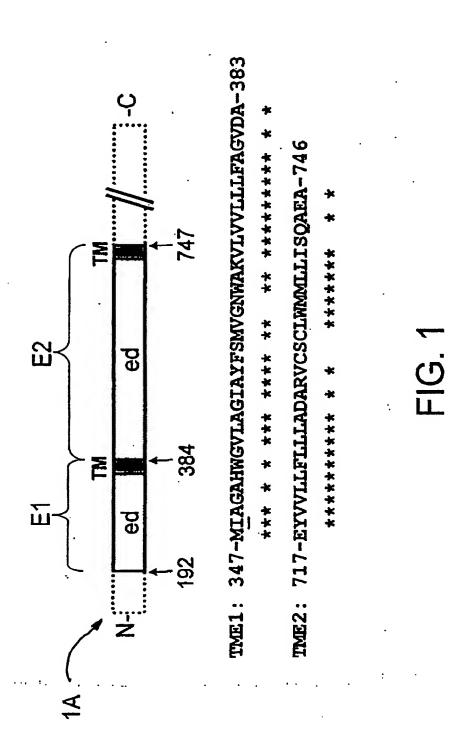
APPLN. FILING DATE: MARCH 18, 2005
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PROTEINS, VECTORS AND METHOD OF PRODUCING
TOXIC PROTEINS
INVENTOR(S): PIERRE FALSON ET AL.
ATTORNEY DOCKET NO.: 034404-001 SHEET 1 OF 9

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ATGATCGCTGGTGCTCACTGGGTGTTCTGGCTGGTATCGCTTACTTCTCTATGGTT 13 14 15 16 17 18 19 111 GTTCTGCTGCTGTTCGCTGGTGTTGACGCT 347 MIAGAHWGVLAGIAYFSMVGNWAKVLVVLLLFAGVDA₃₈₃, 37 1 aa, 3861 Da. G 26 27 28 29 30 31 U K σ ..GGTAACTGGGCTAAAGTTCTGGTT 22 23 24 25 ى : Seq a G

5' GGGAATGCCATATGATCGCTGGTG 3'

131 bases . TGGGCTAAAGTTCTGGTTGTTCTGCTGTTCGCTGGTGTTGACGCTTAGATCGATATGC 3' ACCCGATTTCAAGACCAACAAGACGACAAGCGACCACAACTGCGAATCTAGCTATACG 5

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Cloning in pT7-7: OL13(+): 5'gggaatgccatatgatcgctggtg

OL14(-): 5'gcatatcgatctaagcgtcaaca

Cloning in pGEXKT: OL15(+): 5'ggatccatggaatacgttgttc (without DPsite)

OL17(+): 5'ggatccgaccgatggaatacgttgttc (with DPsite)

OL16(-): 5'gaattcctaagcttcagcctgag

Cloning in pET32a:

OL18(+): 5'gt**gatatc**tgatctgtctggtggtggt (hybridizes to the segment 915-932 of pGEXKT)

OL16(-): 5'gaattcctaagcttcagcctgag

Cloning in pT7-7 of (M)DP-TME1:: OL19 (+): 5'- CG<u>CATATG</u>GACCCGATCGCTGGTGCT -3' (Nde I underlined)

OL20 (-): 5'-GAATTCCTAAGCGTCAACACCAGC-3' (EcoR I underlined)

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	(E)	(M) ₁₁₇ EYVVLLFILLADARVCSCLWMILLISQAEI	1	II.	T T	ARV	CSC	1.1 E.E.	F F	ISC	HE.	746				'n		31 aa,	3546 Da.	Ω Ω	ъ
~~	N &	- Σ	2 B	. m >+	4 >	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 E Y V V L L F L L L A D A R V	9 7	7 7	क फ	9 13	10	9 10 11 1 L L L	12 A	13	4	4 15	16 V	•			
	Seq	Arggaracgricricrigcrigcrigcrigcrigcricricricricricricricricricricricricric	GAA	TAC 1	GTT 0	GTT	CTG	CTG.	rtc	CTG	CTG	CIG	: CT	GAC 4	CGCT	ည်	GT	: : H			

78 Table 8

.. TGCTCTTGCCTGTGGATGATGCTGCTGATCTCTCAGGCTGAAGCT Σ Z 3. ပ S ပ : 20 Seq

NdeI

5'-CATAIGGAATACGTIGITC 3'

(+)5'-catatggaatacgttgttctgctgttctgctgctggtggctgacgctcgtgtt.

(-) 3 '-GTATACCTTATGCAACAAGACGACGACGACGACGACGACGAGCACAA.

117 bp

Hind III

..TGCTCTTGCCTGTGGTGATGCTGCTGATCTCTCAGGCTGAAGCTTAAGCTT-3' ..ACGAGAACGGACACCTACTACGACGACTAGAGAGTCCGACTTCGAATTCGAA-5'

3' -GACTAGAGAGTCCGACTTCGAATTCGAA-5

90 93

OL22(-): 5'aagcttaagcttcagcctgagagatcagcagcatcatccacaggcaagagcaaacac

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OL18(+): 5'gt**gatatc**tgatctgtctggtggtggt (hybridizes to the segment 915-932 of pGEXKT OL26(-): 5'gaattcttaagcttcagcctgagagatcag Cloning in pET32a:

OL27(+): 5'ggatcc**gacccg**gaatacgttgttc(with DP site)

OL26(-); 5'gaattcttaagcttcagcctgagagatcag

OL25(+): 5'ggatccgaatacgttgttc(without DP site)

Cloning in pGEXKT:

OL24(-): 5'aagcttaagcttcagcctgagagatcag

OL23(+): 5'catatggaatacgttgttc

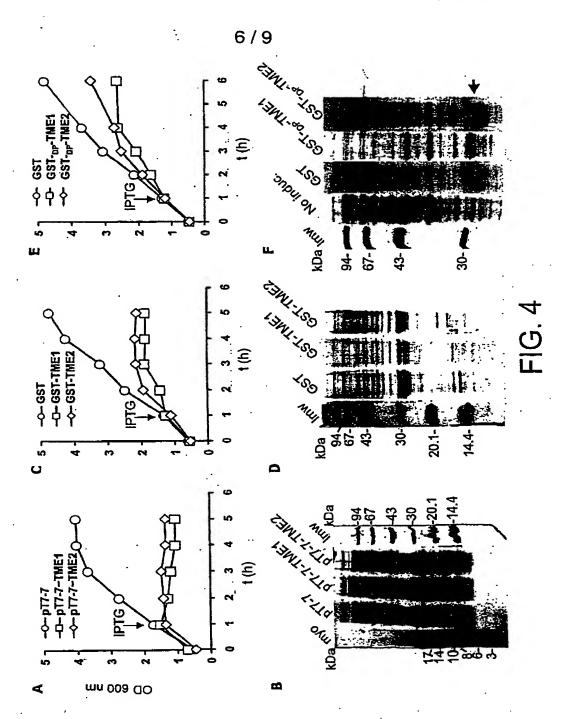
Cloning in pT7-7:

Cloning in pT7-7 of (M)DP-TME2

OL28 (+): 5'- CGCATATGGACCCGGAATACGTTGTTC-3' (Nde l underlined) OL29 (-): 5'-CAGAATTCCTAAGCTTCAGCCTGAGAG-3'(EcoR | underlined)

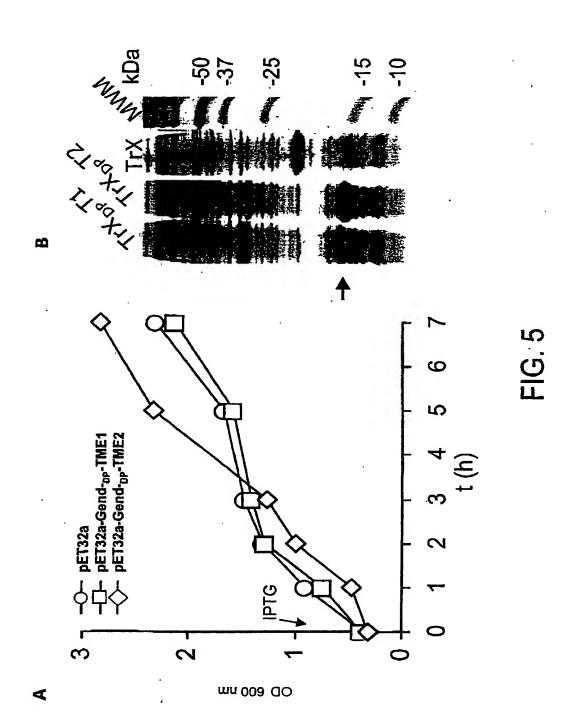
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PROTEINS, V PRODUCING INVENTOR(S): ATTORNEY DO

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mspilgywkikglvqptrlileyleekyeehlyerdegdkwrnkkeelglefpnlpyyidgdvkltqsmaiiryia DKHNMLGGCPKERAEI SMLEGAVLDI RYGVSRI AYSKD FETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PD FMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLS**GGGG**G<u>L</u> PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLS**GGG** MSPILGYWKIKGLVQPTRLILEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYI adkhimlggcpkeraetsmlegavldtrygvsriayskdfetikvdflsklpemikmfedrlchktylngdhvth - NaCl + TX100 To Surn VPRGS/EXVVLLFILLADARVCSCLWMMLLISQAEA Suri GST GGLVPRGS/PGIHRD ဂ္ GST-TME2

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